

WPI Acc No: 1995-129691/199517

XRPX Acc No: N95-101831

**Tool for boring holes in materials of poor machinability -  
in form of twist drill with flutes progressively narrowing towards  
shank**

Patent Assignee: CHELY PRODN ASSOC (CHPR-R)

Inventor: CHISTYAKOV A YU

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 1774904	A3	19921107	SU 4805457	A	19900212	199517 B

Priority Applications (No Type Date): SU 4805457 A 19900212

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
SU 1774904	A3		4	B23B-051/02	

Abstract (Basic): SU 1774904 A

A precision twist drill is provided with flutes of specified variable width, with correspondingly increasing web thickness. The twist drill has a working portion (1) transformed into a taper shank

(2). The web thickness of the drill (4) increases progressively towards

the shank between 0.1 and 0.9 of the drill diameter, with corresponding

narrowing of the drill flutes (5).

ADVANTAGE - This reduces oscillations in the lands and increases

the rigidity of the drill, its service life and machining quality, especially on materials of poor machinability. Bul.41/7.11.92

Dwg.2/4

Title Terms: TOOL; BORE; HOLE; MATERIAL; POOR; MACHINING; FORM; TWIST; DRILL; FLUTE; PROGRESS; NARROW; SHANK

Derwent Class: P54

International Patent Class (Main): B23B-051/02

File Segment: EngPI

Derwent WPI (Dialog® File 351): (c) 2004 Thomson Derwent. All rights reserved.